SAMSUNG

MICROWAVE OVEN

(COMMERCIAL)

Owner's Instructions and Cooking Guide

CM1929A (1850 Watt)
CM1629A (1600 Watt)
CM1329A (1300 Watt)

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Code No. : DE68-02349B

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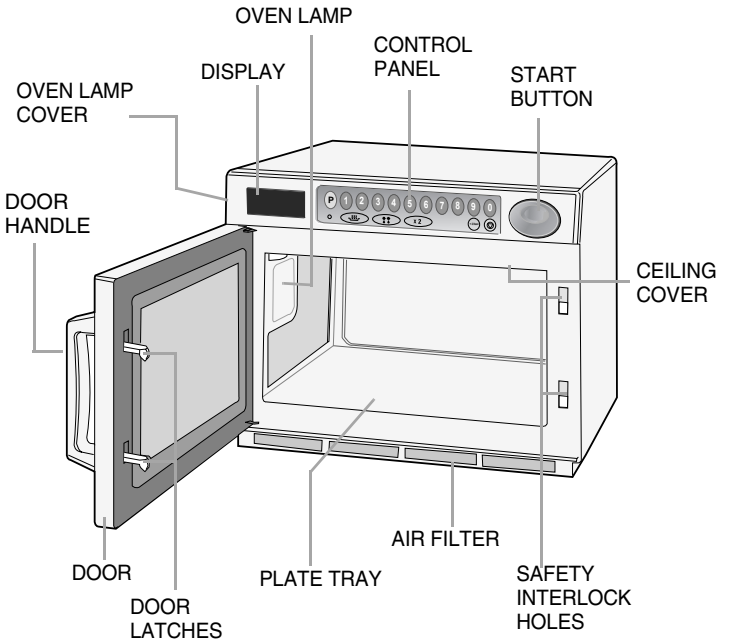
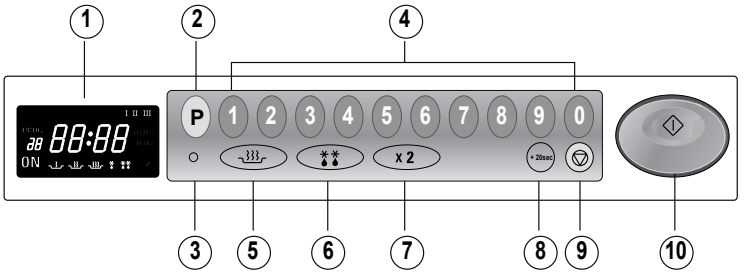
Oven

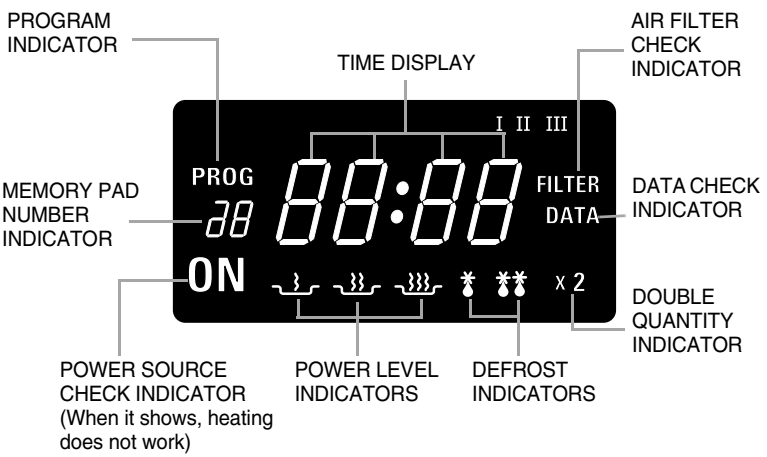


Control Panel



1. DISPLAY
2. PROGRAM PAD
3. PROGRAM LOCK PAD
4. NUMBER PADS(Time, Memory Programming)
5. POWER LEVEL SELECTOR PAD
6. DEFROST SELECTOR PAD
7. DOUBLE QUANTITY PAD
8. +20sec PAD (One Touch Cook Pad)
9. STOP/CANCEL PAD
10. 10. START BUTTON

DISPLAY



Using this Instruction Booklet

You have just purchased a SAMSUNG microwave oven. Your Owner's Instructions contain valuable information on cooking with your microwave oven:

- ***Safety precautions***
- ***Suitable accessories and cookware***
- ***Useful cooking tips***

At the front of the booklet you will find illustrations of the oven, and more importantly the control panel, so that you can find the buttons more easily.

The step-by-step reocedures use two different symbols.

Important

Note

PRECAUTIONS TO AVOID POSSIBLE EXPOSURE TO EXCESSIVE MICROWAVE ENERGY

Failure to observe the following safety precautions may result in harmful exposure to microwave energy.

(a) Under no circumstances should any attempt be made to operate the oven with the door open or to tamper with the safety interlocks (door latches) or to insert anything into the safety interlock holes.

(b) Do not place any object between the oven door and front face or allow food or cleaner residues to accumulate on sealing surfaces. Ensure that the door and door sealing surfaces are kept clean by wiping after use first with a damp cloth and then with a soft dry cloth.

(c) Do not operate the oven if it is damaged until it has been repaired by a qualified microwave service technician trained by the manufacturer.
It is particularly important that the oven door closes properly and that there is no damage to the:
(1) Door, door seals and sealing surfaces
(2) Door hinges (broken or loose)
(3) Power cable

(d) The oven should not be adjusted or repaired by anyone other than a properly qualified microwave service technician trained by the manufacturer.

Safety Precautiones

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Before cooking food or liquids in your microwave oven, please check that the following safety precautions are taken.

1. **DO NOT** use any metallic cookware in the microwave oven:
   - Metallic containers
   - Dinnerware with gold or silver trimmings
   - Skewers, forks, etc.

   Reason: Electric arcing or sparking may occur and may damage the oven.
2. **DO NOT** heat:
   - Airtight or vacuum-sealed bottles, jars, containers
     Ex) Baby food jars
   - Airtight food.
     Ex) Eggs, nuts in shells, tomatoes

   Reason: The increase in pressure may cause them to explode.
   Tip: Remove lids and pierce skins, bags, etc.
3. **DO NOT** operate the microwave oven when it is empty.
   Reason: The oven walls may be damaged.
   Tip: Leave a glass of water inside the oven at all times. The water will absorb the microwaves if you accidentally set the oven going when it is empty**.**
4. **DO NOT** cover the rear ventilation slots with cloths or paper.
   Reason**:** The cloths or paper may catch fire as hot air is evacuated from the oven.
5. **ALWAYS** use oven gloves when removing a dish from the oven.
   Reason: Some dishes absorb microwaves and heat is always transferred from the food to the dish.The dishes are therefore hot.
6. **DO NOT** touch heating elements or interior oven walls.
   Reason**:** These walls may be hot enough to burn even after cooking has finished, enen though they do not appear to be so. Do not allow inflammable materials to come into contact with any interior area of the oven. Let the oven cool down first.
7. To reduce the risk of fire in the oven cavity:
   - Do not store flammable materials in the oven
   - Remove wire twist ties from paper or plastic bags
   - Do not use your microwave oven to dry newspapers.
   - If smoke is observed, keep the oven door closed and switch off or disconnect the oven from the power supply
8. Take particular care when heating liquids and baby foods.
   - ALWAYS allow a standing time of at least 20 seconds after the oven has been switched off so that the temperature can equalize.
   - Stir during heating, if necessary, and ALWAYS stir after heating.
   - Take care when handling the container after heating. You may burn yourself, if the container is too hot.
   - A risk of delayed eruptive boiling exists.

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- To prevent delayed boiling and possible scalding, you should put a plastic spoon or glass stick into the beverages and stir before, during and after heating.
  Reason: During the heating of liquids the boiling point can be delayed; this means that eruptive boiling can start after the container is removed from the oven. You may scald yourself.
- In the event of scalding, follow these FIRST AID instructions:
  * Immerse the scalded area in cold water for at least 10 minutes.
  * Cover with a clean, dry dressing.
  * Do not apply any creams, oils or lotions.
- **NEVER** fill the container to the top and choose a container that is wider at the top than at the bottom to prevent the liquid from boiling over. Bottles with narrow necks may also explode if overheated.
- **ALWAYS** check the temperature of baby food or milk before giving it to the baby.
- **NEVER** heat a baby's bottle with the teat on, as the bottle may explode if overheated.Tenga cuidado de no estropear el cable de alimentación.

9. Be careful not to damage the power cable.
- Do not immerse the power cable or plug in water and keep the power cable away from heated surfaces.
- Do not operate this appliance if it has a damaged power cable or plug.

10. Stand at arm's length from the oven when opening the door.
Reason: The hot air or steam released may cause scalding.

11. Keep the inside of the oven clean.
Reason: Food particles or spattered oils stuck to oven walls or floor can cause paint damage and reduce the efficiency of the oven.

12. You may notice a "Clicking" sound during operation(especially when the oven is in defrosting).
Reason: This sound is normal when the electrical power output is changing.

13. When the microwave oven is operating without any load, the power will be cut off automatically for safety. You can operate the oven normally after letting it stand for over 30 minutes.

14. Failure to maintain the oven in a clean condition could lead to deterioration of the surface that could adversely affect the life of the appliance and possibly result in a hazardous situation;

15. The appliance should not be cleaned with a water jet

IMPORTANT SAFETY INSTRUCTIONS

During cooking, you should look into the oven from time to time when food is being heated or cooked in disposable containers of plastic, paper or other combustible materials.

IMPORTANT

Young children should NEVER be allowed to use or play with the microwave oven. Nor should they be left unattended near the microwave oven when it is in use. Items of interest to children should not be stored or hidden just above the oven

WARNING:

If the door or door seals are damaged, the oven must not be operated until it has been repaired by a competent person.

WARNING:

It is hazardous for anyone other than a comperent person to carry out any service or repair operation which involves the removal of a cover which gives protection against exposure to microwave energy.

WARNING:

- Liquids and other foods must not be heated in sealed containers since they are liable to explode.

WARNING:

Only allow children to use the oven without supervicion when adequate instructions have been given so that the child is able to use the oven in a safe way and understands the hazards of improper use.

WARNING:

Microwave heating of beverages can result in delayed eruptive boiling, therefore care must be taken when handling the container;

WARNING:

The contents of feeding bottles and baby food jars must be stirred or shaken and the temperature checked before consumption, in order to avoid burns.

- For safety reasons do not clean the appliance with a steam jet or high pressure cleaner.

Installing Your Microwave Oven

This microwave oven can be placed almost anywhere (kitchen work surface or shelf, movable trolley, table).

1. Install the oven on a flat, level, stable surface. Make sure there is adequate ventilation for your oven by leaving at least 10cm(four inches) of space behind, on the sides of the oven and 20cm(eight inches) of above.
   (For stacking see page 17.)
2. Never block the air vents as the oven may overheat and automatically switch itself off. It will remain inoperable until it has cooled sufficiently.
3. Remove all packing materials inside the oven.
4. For your personal safety, plug the cable into a 3-pin, 230 Volt, 50Hz, AC earthed socket. If the power cable of this appliance is damaged, it must be replaced by the manufacturer or its service agent or a similarly qualified person in order to avoid a hazard.
5. This microwave oven has to be positioned so that plug is accessible.

☛ Be sure to remove the protective film from outer case. The protective film is on the outer case to prevent scratches. When installing or before using, be sure to remove it.

Outdoor Use
This microwave oven is not designed for outdoor use.
You should use it indoors only.

During Air Cooling
Do not turn power off while the cooling fan is automatically air-cooling for 1min.

Recommendations

✉ DO NOT install the microwave oven in hot or damp surroundings.
Example: Next to a traditional oven or radiator.

✉ The power supply specifications of the oven must be respected and any extension cable used must be of the same standard as the power cable supplied with the oven.

✉ Wipe the interior and the door seal with a damp cloth before using your microwave oven for the first time.

Cooking / Reheating

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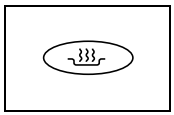
One-stage cooking

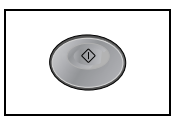
This oven is preset at the factory for automatic operation.
Make sure the oven is plugged into a properly earthed electrical outlet and "ON" appears in the display window.
Open the door(The oven lamp will be turned on.).
Put the food into a suitable container, place it in the centre of the oven and then close the door securely (The oven lamp will go off.).



1. Select the desired power level by pressing the **Power Level Selector** pad.
   Result : The selected power level will be displayed in the display window.

2. Set the desired heating time by pressing the **NUMBER** pads.
   Result : The selected time is displayed in the display window.

✉ The maximum time according to each cooking power level can be referred to in the title "Power Levels ans Time Variations" on page 7. The **NUMBER** pads will not operate or respond when you press a cooking time exceeding the maximum value. It is not possible to set a cooking time for longer than the maximum time allowed on the chosen program. It is advisable to press **CANCEL** and to enter a new power level and cooking time.



3. Press ◇ button:
   Result : The oven lamp and cooling fan will be turned on. Heating will start.
   The time on digital display will count down.

✉ When all time is elapsed, the end of cycle Beep Tone will sound 4 times and all heating will stop. The oven lamp will go off. For 1 min, the display shows '0' and the cooling fan will keep working in order to cool down the interior parts.
During the time, the fan will not stop even when you open the door. 1 min later it will stop. Food may be removed from oven whilst the fan is still running.

4. Open the door and take the food out.
   Close the door. The oven lamp will go off.

Cooking / Reheating (continued)

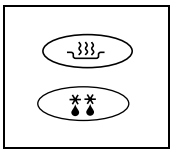
✉ Whilst in a heating cycle, one press on ⏚ pad stops the oven. At this time, the Power Check Indicator "ON" starts blinking and goes off when the ⏚ pad or ⏀ button is pressed again.
You can restart it by pressing the ⏀ button or a second press on ⏚ pad will cancel the selected program. While NOT in a heating cycle, one tap on ⏚ pad cancels the selected program.
You can press +20sec pad one or more times in order to add the cooking time by 20 seconds. But you can not exceed the maximum time per power level allowed for power level selected.

✉ When you first plug in the power cord, the oven beeps once and all the indicators show for 5 sec in the display window.

✉ When heating cycle is completed and you open the door, the oven lamp automatically turns on and goes off 1 min later.

✉ When you open the door whilst in a heating cycle, the oven stops operating and the oven lamp automatically turns on for 1 min and goes off 1 min later. If you leave the oven door open for more than 1 min, the oven beeps once every minute and after 5 min the power source check indicator 'ON' appears in the display window.

Multi-stage cooking

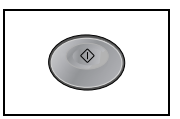


1. Select the desired power level by pressing the **POWER LEVEL** Selector pad or **DEFROST** pad.
Result : The selected power level will be displayed in the display window.

2. Set the desired heating time by pressing the **NUMBER** pads.
Result : The selected time is displayed in the display window.

✉ The maximum time according to each cooking power level can be referred to in the title "Power Levels ans Time Variations". The **NUMBER** pads will not operate or respond when you press a cooking time exceeding the maximum value. It is not possible to set a cooking time for longer than the maximum time allowed on the chosen program. It is advisable to press **CANCEL** and to enter a new power level and cooking time.

3. Repeat steps 1 and 2 for **II** or **III** stage memory programming.



4. Press ⏀ button:
Result : The oven lamp and cooling fan will be turned on. The oven will automatically start heating according to pre-programed cooking time and power level.(I stage → II stage → III stage). The time on digital display will count down.

☛ You can not set up the same **POWER LEVEL** or **DEFROST**.
☛ It operates as setting up sequence.

Power Levels and Time Variations

The power level function enables you to adapt the amount of energy dissipated and thus the time required to cook or reheat your food, according to its type and quantity. You can choose between the power levels below.

Power Level	CM1929A		CM1629A		CM1329A	
	Percentage	Output	Percentage	Output	Percentage	Output
HIGH	100 %	1850 W	100 %	1600 W	100 %	1300 W
MEDIUM	70 %	1295 W	70 %	1120 W	70 %	910 W
LOW	50 %	925 W	50 %	800 W	50 %	650 W
HIGH DEFROST	20 %	370 W	25 %	400 W	30 %	390 W
LOW DEFROST	10 %	185 W	13 %	208 W	15 %	195 W

The cooking times given in recipes and in this booklet correspond to the specific power level indicated.

Power Level	Max. Time
HIGH	25 min.
MEDIUM	40 min.
LOW	40 min.
HIGH DEFROST	50 min.
LOW DEFROST	50 min.

Stopping the Cooking

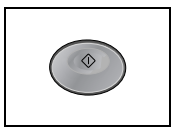
You can stop cooking at any time so that you can:

- ***Check the food***
- ***Turn the food over or stir it***
- ***Leave it to stand***

To stop the cooking...	Then...
Temporarily	Open the door or press ⊽ pad once. Result : Cooking stops. To resume cooking, close the door and press ◊ again.
Completely	Press the ⊽ pad twice. Result : The cooking settings are cancelled.

✉ If you want to cancel any cooking settings before starting cooking, simply press **CANCEL**(⊽) once.

Repeat Feature



1. You can repeat the previous cooking setting (regardless of manual or automatic memory heating) by pressing the **START**(◊) button. The oven starts with exactly the same heating time and power level that were used in the last operation.
2. The repeat feature will be cancelled once the power source is cut off.

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Using +20sec Pad

This is a ONE TOUCH COOK pad.

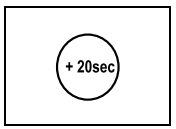
By touching the pad once, you can start heating instantly.

You can increase the cooking time by pressing the +20sec pad while heating is being done.

A cooking time increases by 20 seconds at each press on +20sec pad. But it can not exceed the maximum time.

Like traditional cooking, you may find that, depending on the food's characteristics or your tastes, you have to adjust the cooking times slightly. You can:

- ***Check how cooking is progressing at any time simply by***
- ***opening the door***
- ***Close the door***
- ***Increase the remaining cooking time***



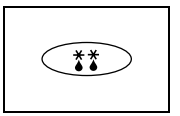
Before operating the oven, times can be increased/decreased using either the time pads or **+20sec** button
During the operating, time may only be added by using the **+20sec** button.

Using the Defrost Feature

The Defrost feature enables you to defrost meat, poultry or fish.

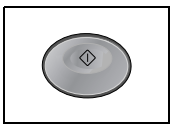
☛ Use only containers that are microwave-safe.

Open the door. Place the frozen food in the centre of the plate tray. Close the door.

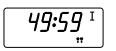


1. Press the Defrost selector pad to set **DEFROST HIGH** (⁂) or **DEFROST LOW** (⁑) as you wish.
Result : The selected DEFROST indicator appears in the display.

2. Press the **NUMBER** pads to set the defrosting time. (Max. 50 min)



3. Press ◇ button.
Result : Defrosting begins.

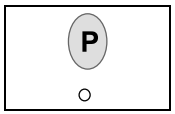


✉ It is not possible to set a defrosting time for longer than 50min. The defrost indicator will flash and it is advisable to press **CANCEL**(⊘) and enter a new defrost level and time.

✉ When the oven was operating for longer than 25 min under Defrosting cycle, you can NOT change the power level from Defrosting to Heating(Cooking/Reheating) mode.

Memory Pads Programming

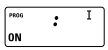
One-stage



1. Hold down **PROGRAM LOCK**(○) and then press **PROGRAM**(P) pad. Hold together for 2 sec.

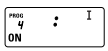
✉ Be sure to press the pads firmly.

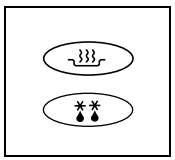
Result : PROG indicator appears in the digital display.



2. Press appropriate **NUMBER** pad for the desired memory number.

Result : Selected memory program code appears below the PROGRAM indicator.

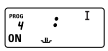




3. Select power level by pressing the **POWER LEVEL** pad or **DEFROST** pad.

Result : Default power level HIGH appears in the display at first press of the **POWER LEVEL** pad.

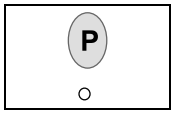
✉ Press the **POWER LEVEL** pad or **DEFROST** pad one or more times until you get the desired power level.



4. Press **NUMBER** pads to set the cooking time.

✉ The maximum time according to each cooking power level can be referred to in the title “Power Levels and Time Variations” on page 7. The **NUMBER** pads will not operate or respond when you press a cooking time exceeding the maximum value.

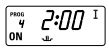
It is not possible to set a cooking time for longer than the maximum time allowed on the chosen program. It is advisable to press **CANCEL** and to enter a new power level and cooking time.



5. Hold down **PROGRAM LOCK**(○) and then press **PROGRAM**(P) pad. Hold together for 2 sec once again.

Result : PROG indicator and memory number indicator blink 3 times in the digital display with a beep sound. And then the display goes blank.

Caution: Be sure to press the pads firmly in the right position.



6. When you want to program more, repeat the procedures above again.

✉ Memory programs are available up to 30 items. Make sure the unit is properly programmed. After programming is finished, all you have to do for memory cooking is to press the **NUMBER** pad. Then the selected memory program automatically starts cooking.

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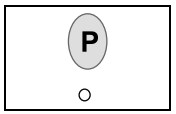
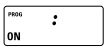
Multi-stage



1. Hold down **PROGRAM LOCK**(○) and then press **PROGRAM**(P) pad. Hold together for 2 sec.

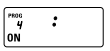
✉ Be sure to press the pads firmly.

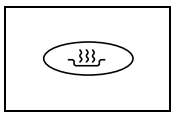
Result : PROG indicator appears in the digital display.



2. Press appropriate **NUMBER** pad for the desired memory number.

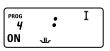
Result : Selected memory program code appears below the PROGRAM indicator.





3. Select power level by pressing the **POWER LEVEL** pad or **DEFROST** pad.

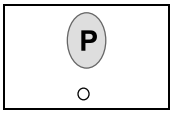
✉ Press the **POWER LEVEL** pad and **DEFROST** pad one or more times until you get the desired power level.



4. Press **NUMBER** pads to set the cooking time.

✉ The maximum time according to each cooking power level can be referred to in the title “Power Levels and Time Variations” on page 7. The **NUMBER** pads will not operate or respond when you press a cooking time exceeding the maximum value.
It is not possible to set a cooking time for longer than the maximum time allowed on the chosen program. It is advisable to press **CANCEL** and to enter a new power level and cooking time.

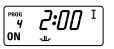
5. Repeat steps 3 and 4 for **II** or **III** stage memory programming.



6. Hold down **PROGRAM LOCK**(○) and then press **PROGRAM**(P) pad. Hold together for 2 sec once again.

Result : PROG indicator and memory number indicator blink 3 times in the digital display with a beep sound. And then the display goes blank.

Caution: Be sure to press the pads firmly in the right position.



7. When you want to program more, repeat the procedures above again.

✉ Memory programs are available up to 30 items. Make sure the unit is properly programmed. After programming is finished, all you have to do for memory cooking is to press the **NUMBER** pad. Then the selected memory program automatically starts cooking.

☛ You can not set up the same **POWER LEVEL** or **DEFROST**.

☛ It operates as setting up sequence.

How to Operate Memory Cooking

After having finished memory programming, just press the NUMBER pad of the memory number you want to select. The oven will automatically start heating according to the pre-programmed cooking time and power level.

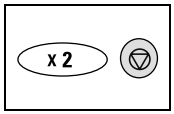
1. Make sure the oven is plugged into a properly earthed electrical outlet and “ON” appears in the display window.

2. Open the door.
The oven lamp will be turned on.

3. Put the food into a suitable container, place it in the centre of the oven and then close the door securely.
Result : The oven lamp will go off.

4. Press **NUMBER** pad.
Result : The selected memory program automatically starts heating. But, **NUMBER** pad 1, 2, 3 operate after 2 seconds.

Double Quantity Pad Programming

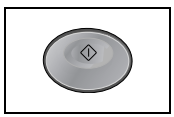


1. Hold down ▽ and then press x 2 pad. Hold together for 2 seconds.

2. Select desired program code by using **NUMBER** pads.

3. Press **NUMBER** pads to set the magnification factor within the range from 1.00 to 9.99.

✉ Default factor is 1.65 preset from the manufacturer for increasing the cooking time. Make sure that you set a correct factor between 1.00 and 9.99 for each memory code number.



4. Press ◇ button.

✉ Press pad to exit the programming mode.
Though you can successfully set a double quantity factor whose setting might result in excess of the maximum time allowed for each power level, the oven does not operate exceeding the maximum time.

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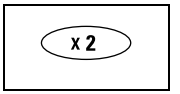
Double Quantity Pad Programming (continued)

Double Quantity Factor Editing

Feature	Key Entry	Display	Remark
Double Quantity Factor Edit	Hold down CANCEL(ⓥ) and then x 2 pad.	PROG F . ON x2	Hold down for 2 sec.
	Code No.	PROG 1 F 1.65 ON x2	After 1 sec, default value shows in the display window.
	(Input desired factor value.)	PROG 1 F2.00 ON x2	1.00 ~ 9.99 available (Change the factor if required.)
	START(ⓘ)	PROG 1 F2.00 ON x2	If you don't want to change more, press CANCEL to exit the editing mode.
	New Code No.	PROG 2 F 1.65 ON x2	Skip this step if not necessary.
	(Input desired factor value.)	PROG 2 F2.30 ON x2	Skip this step if not necessary.
	START(ⓘ)	PROG 2 F2.30 ON x2	Skip this step if not necessary.
	CANCEL(ⓥ)	(Mode cancel)	This exits the editing mode.

How to Operate Double Quantity Pad



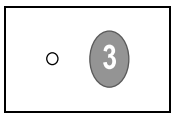
1. Press the **Double Quantity** pad.

2. Press the desired memory **NUMBER** pad.
Result : Cooking time which was multiplied by the preset factor appears in the display and cooking starts with time digits counting down.

✉ You don't need to press ⓘ button to start heating.

Programming Air Filter Clean Time

When the air filter check indicator (FILTER) appears in the display window after a certain time of use, you should clean the air filter according to the instructions "Cleaning the Air Filter" on page 16 in this booklet. Then follow the procedure as below if you want to change the air filter clean time.

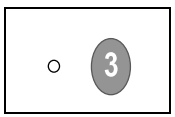


1. Hold down **PROGRAM LOCK**(○) and then press **NUMBER 3** pad. Hold together for 2 seconds.
Result : The display will show the length of time in hours between cleaning the air filter you have programmed in or the original time preset by the manufacturer.

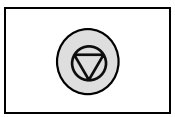
✉ Default clean time is 500 hours in terms of pure oscillating time, not the continuity time.

2. Press **NUMBER** pads to set the desired clean time.

✉ You can set up to 999 hours.



3. Hold down **PROGRAM LOCK**(○) and then press **NUMBER 3** pad.
Hold together for 2 seconds in order to save the new value.
This completes the programming of the air filter clean time.

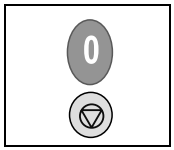


4. Press **CANCEL**(▽) pad to return to cooking mode.

✉ .After the clean time has expired, you should clean the air filter. See page 16.

Controlling Beep Tone

You can select the beep tone you require. There are 4 sound levels available.



Hold down **CANCEL**(▽) and then press **NUMBER 0** pad. Hold together for 2 seconds.
Result : Beep tone is changed to one level higher than current one.

✉ Beep tone 0 does not make beep sound.

Settings are circulating whenever you press the hidden keys in the following order.
Snd 0 → Snd 1 → Snd 2 → Snd 3 → Snd 0 (No sound)

✉ Default tone is Snd 2.

Error Codes

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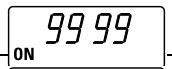
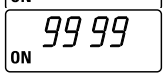
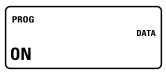
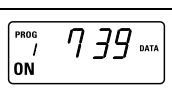
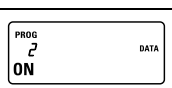
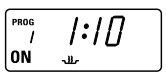
Erroe Items	Code	Error Beep	Cause	Remedy
Power frequency Error (50/60Hz)	E1	-	Power frequency is other than 50 Hz.	Unplug the power cord plug and check if the power frequency is 50 Hz. Plug the power cord in 50 Hz power source and see If “E1” appears. If the error code is displayed again even after the correct power source is provided, contact the nearest service centre.
HVT-I Power Error	E41	One long beep for 2 sec	The circuitry inside the oven is not working correctly.	Unplug the power cord and wait for 10 seconds. Plug the power cord in again and check if the error code “E41” appears again. If the symptom persists, contact the nearest service centre.
HVT-II Power Error	E42	One long beep for 2 sec	The circuitry inside the oven is not working correctly.	Unplug the power cord and wait for 10 seconds. Plug the power cord in again and check if the error code “E42” appears again. If the symptom persists, contact the nearest service centre.
EEPROM Error	E5	One long beep for 2 sec	Memory IC (EEPROM IC) is not working correctly. In this case, other features except for memory function work properly. (You can operate the oven manually)	Press CANCEL pad one or more times and try to start a memory heating. If the error code “E5” persists, contact your nearest service centre.

Hidden Keys

Note: Press Key 1 and then the next one. Hold for 2 secs.

Feature	Key Entry		Display	Remark
	Key 1	Next		
Continuity time total	CANCEL (⊘)	1		Hold together for 2 sec. Unit: 10 hrs.
Magnetron oscillating time total	CANCEL (⊘)	2		Hold together for 2 sec. Unit: 1 hr.
Number of times of use by memory program code	CANCEL (⊘)	Start		Hold together for 2 sec.
	Code No.			
	(Data display after 2 sec.)			739 times of use
	(New code can be set after data display)			
	CANCEL (⊘)		(Mode Cancel)	
Heating time per memory program code (Automatic sequential display)	CANCEL (⊘)	P		Hold together for 2 sec.
			(Sequentially displays for 3 sec from 1 to 30)	
	CANCEL (⊘)		(Mode Cancel)	

Care of Your Microwave Oven

EN

Cleaning the Microwave Oven

1. Unplug the oven from the electrical socket before cleaning.
2. Clean the inside of the oven. Wipe up all spills with a damp cloth. Kitchen detergent solution may be used if the oven gets too dirty. Do not use harsh detergents or abrasives.

   ✉ If food remnant or spilled liquids stick to the oven walls, or between door seal and door surface, they will absorb microwaves possibly resulting in arcing or sparks.
3. Clean the outside of the oven with soap and water, then dry with a soft cloth.
   Caution: Make sure that water does not get into the back ventilation or control panel opening.
4. When you clean the window of the door, be sure to use a soft cloth after washing with very mild soap and water. Do not use window cleaner as the front door can be scratched by harsh soap or cleaners.

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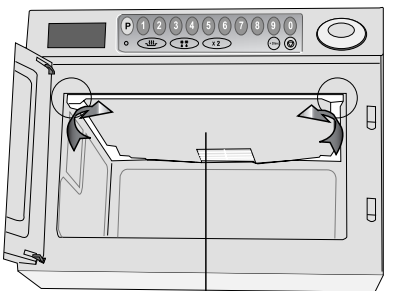
Cleaning the Ceiling Cover

1. Hold side stoppers of ceiling cover with both hands and pull them in and down. Then take the ceiling cover out of the oven cavity.
2. Rinse ceiling cover in soapy water or Food Sanitizer Solution.
3. Be sure to replace the ceiling cover before using the oven.

Caution : Ceiling cover must be in place securely when you use the oven. When you removed the Ceiling Cover for the purpose of cleaning, be sure to be extremely careful about the exposed inside components on the top of the oven cavity. If any of them are deformed, abnormal symptom can happen such as arcing or sparks during operation. In case of such problem, contact the nearest after-sales service centre.



Ceiling Cover

Cleaning the Air Filter

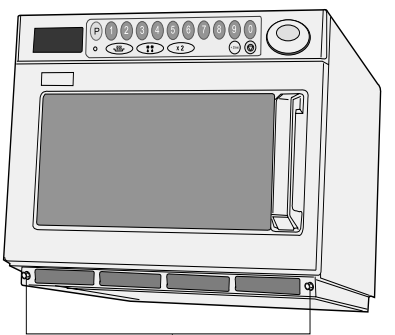
Clean the Air Filter regularly according to the following instructions.

The oven may have problems when the Air Filter becomes clogged with dust.

1. Remove the bolt at both ends of the Air Filter.
2. Lift the Air Filter off the post carefully.
3. Wash this filter in warm soapy water.
4. Be sure to replace the Air Filter before using the oven.

✉ If the Air Filter becomes clogged with debris, this will cause an overheating problem on the oven.

✉ If the want to change the air filter clean time, refer to “Programming Air Filter Clean Time” in page 13.



Bolt

Installation Instructions for Stacking

Important

1. Disconnect the power cord from the wall socket before attempting installation.

2. For stacking installation, you must use the “bracket plate” which is enclosed with this unit.

3. The maximum stacking height is two units.

✉ Stacking the two units is limited to the following models.
CAUTION: Be sure the oven cavity is empty.

Installation

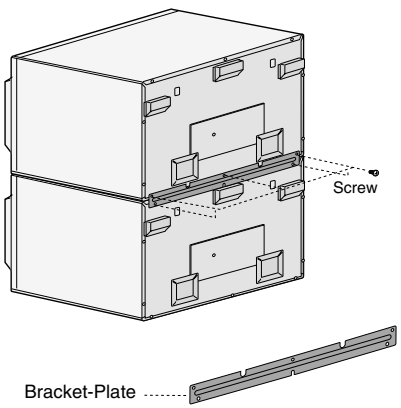
1. Stack two units together.

2. Remove 6 screws as shown in the figure.

3. Place the Bracket-plate to join the two units.

4. Attach and tighten 6 screws as shown in the figure here.

5. Ensure the top oven is at a safe and workable height.



Replacement of Lamp

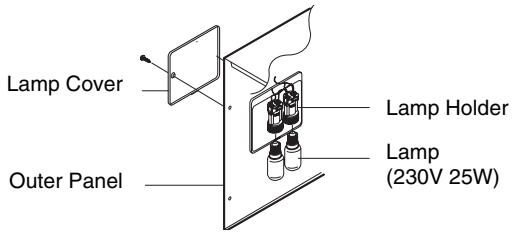
EN

Important

1. Remove a screw securing the lamp cover.

✉ You don’t need to remove outer panel to replace lamp.

2. Remove the lamp by rotating it clockwise.
3. Replace with a new lamp by rotating it counter-clockwise.



Cookware Guide

EN

To cook food in the microwave oven, the microwaves must be able to penetrate the food, without being reflected or absorbed by the dish used.

Care must therefore be taken when choosing the cookware. If the cookware is marked microwave-safe, you do not need to worry.

The following table lists various types of cookware and indicates whether and how they should be used in a microwave oven.

Cookware	Microwave-Safe	Comments
Aluminium foil	✓ ✗	Can be used in small quantities to protect areas against overcooking. Arcing can occur if the foil is too close to the oven wall or if too much foil is used.
China and earthenware	✓	Porcelain, pottery, glazed earthenware and bone china are usually suitable, unless deco-rated with a metal trim.
Disposable polyester cardboard dishes	✓	Some frozen foods are packaged in these dishes.
Fast-food packaging		
• Polystyrene cups containers	✓	Can be used to warm food. Overheating may cause the polystyrene to melt.
• Paper bags or newspaper	✗	May catch fire.
• Recycled paper or metal trims	✗	May cause arcing.
Glassware		
• Oven-to-table ware	✓	Can be used, unless decorated with a metal trim.
• Fine glassware	✓	Can be used to warm foods or liquids. Delicate glass may break or crack if heated suddenly.
• Glass jars	✓	Must remove the lid. Suitable for warming only.
Metal		
• Dishes	✗	May cause arcing or fire.
• Freezer bag twist ties	✗	
Paper		
• Plates, cups, napkins and Kitchen paper	✓	For short cooking times and warming. Also to absorb excess moisture.
• Recycled paper	✗	May cause arcing.
Plastic		
• Containers	✓	Particularly if heat-resistant thermoplastic. Some other plastics may warp or discolour at high temperatures. Do not use Melamine plastic.
• Cling film	✓	Can be used to retain moisture. Should not touch the food. Take care when removing the film as hot steam will escape.
• Freezer bags	✓ ✗	Only if boilable or oven-proof. Should not be airtight. Prick with a fork, if necessary.
Wax or grease-proof paper	✓	Can be used to retain moisture and prevent spattering.

✓ : Recommended

✓✗ : Use Caution

✗ : Unsafe

EN

F : Frozen C : Chilled

Recipe	Method	Power Level	Timing			Stand Time
			1850W	1600W	1300W	
BREAD & PASTRIES						
To Defrost						
Vienna Baton 9" F		DEFROST 1(❄)	0'45"	0'50"	0'50"	5 mins
Vienna Baton 9" X 2 F		DEFROST 1(❄)	1'10"	1'15"	1'20"	5 mins
Gateaux, ind. Slice F	Place on plate	DEFROST 2(❄)	2'30"	2'40"	2'50"	5 mins
To warm						
Quiche 11" sliced 136g	Place on plate	DEFROST 1(❄) HIGH	3'00" 0'40"	3'00" 0'45"	3'00" 0'50"	1 min 1 min
Mince pies ind. X 2 F	Remove from tin foil Place on plate	HIGH	0'10"	0'15"	0'15"	1 min
Fruit pie F	Place on plate	HIGH	0'40"	0'45"	0'45"	1 min
Croissant X 2 F	Place on plate	HIGH	0'05"	0'10"	0'10"	1 min
Pastry, baked 227g C	Place on plate	HIGH	0'45"	0'55"	1'00"	1 min
Chicken & mushroom pie X 2 C	Remove foil. Place on plate	HIGH	0'45"	0'55"	1'00"	1 min
Chicken & mushroom pie C	Place on plate, remove foil	HIGH	0'30"	0'40"	0'45"	1 min
SNACK & STARTERS						
To cook						
Bacon, rasher C	Place on rack	HIGH	1'30"	1'40"	1'50"	1 min
Eggs, poached X 2 C	Place in ramekins	HIGH	0'30"	0'40"	0'45"	1 min
Eggs, scrambled X2 C	Beat eggs and place in bowl	HIGH	25"-30"	30"-40"	35"-45"	1 min
Sausages X 2 Thick C	Pierce	MED	1'00"	1'10"	1'20"	2 mins

Recipe	Method	Power Level	Timing			Stand Time
			1850W	1600W	1300W	
SNACK & STARTERS						
To Reheat						
Sausages Cumberland F	Place on plate	MED	2'00"	2'10"	2'20"	2 mins
Full breakfast C	Cover	MED	2'30"	2'40"	2'50"	1 min
Beefburgers F		HIGH	0'55"	1'05"	1'10"	1 min
Chickenburger F		HIGH	0'55"	1'05"	1'10"	1 min
Donner kebab 162g F		HIGH	1'00"	1'10"	1'20"	1 min
Hot Dog F		HIGH	1'00"	1'10"	1'20"	1 min
Pizza 190g F	Place on plate	LOW	2'30"	2'45"	3'00"	2 mins
Chargrilled ribs 200g F	Place on plate	MED	3'30"	3'45"	4'00"	1 min
Wings of fire X 6 F	Arrange on plate, thin parts to center	HIGH	2'00"	2'15"	2'30"	1 min
Baked Beans 500g	Cover and Stir half way	HIGH	2'00"	2'10"	2'20"	2 mins
Baked Beans 250g	Cover and Stir half way	HIGH	1'00"	1'05"	1'10"	2 mins
DESSERTS						
To warm						
Apple Crumble 200g F	Cover in dish	HIGH	1'20"	1'30"	1'40"	2 mins
Christmas Pudding 150g C	Place in bowl	HIGH	0'20"	0'25"	0'30"	2 mins
Jam Roly Poly 80g F	On a plate	HIGH	1'00"	1'05"	1'10"	2 mins
Crepes Suzette 2 F	Pierce film	HIGH	0'50"	1'00"	1'10"	1 min
Suet Sponge pudding F	X 2 X 1	HIGH HIGH	0'35" 0'40"	1'05" 0'50"	1'30" 1'00"	2 mins 2 mins
Sponge pudding F	X 2 X 1	HIGH HIGH	0'35" 0'40"	1'05" 0'45"	1'30" 0'45"	2 mins 2 mins

EN

F : Frozen **C : Chilled**

Recipe	Method	Power Level	Timing			Stand Time
			1850W	1600W	1300W	
RECIPE DISH ENTREES						
To Reheat						
Amorini & Stilton bake C	Place in microwave safe dish	HIGH	3'30"	3'40"	3'50"	1 min
Chicken Tikka masala F	Pierce film	HIGH	3'20"	3'30"	3'40"	2 mins
Thai Green Chicken curry F	Pierce film	HIGH	3'00"	3'15"	3'30"	2 mins
Chilli con Carne F	Pierce film	HIGH	3'30"	3'45"	4'00"	2 mins
Chicken cooked 1/2 Chilled	Place in m/w in pierced bag	MED	4'30"	5'00"	5'30"	2 mins
Lasagne 192g	Place in microwave safe dish	MED	4'00"	4'15"	4'30"	2 mins
Moules Marinieres 466g F	Pierce bag	HIGH	2'30"	2'45"	3'00"	2 mins
Salmon & Avacodo Paupiette C	Pierce bag	HIGH	2'30"	2'45"	3'00"	2 mins
Shepherd's pie 300g C	Place in oven and cover	MED	3'00"	3'15"	3'30"	2 mins
Suet puddings chilled	Cover - place upright on microwave safe plate	LOW	4'00"	4'20"	4'40"	2 mins
Supreme of chicken in red pesto 312g F	Pierce bag place on plate	DEFROST 1(❄) HIGH	5'00" 3'30"	5'00" 3'45"	5'00" 4'00"	1 min
Tagliatelle carbonara C	Pierce film, place on plate	HIGH	1'40"	2'00"	2'20"	1 min
Tortellini formaggio C	Place in dish and cover	HIGH	2'00"	2'15"	2'30"	1 min
Vegetable Cumberland Pie C	Place in microwave safe dish	HIGH	3'20"	3'35"	3'50"	1 min
Plated Meal 350g C	Covered	HIGH	2'00"	2'15"	2'30"	1 min
Plated Meal 700g C	Covered	HIGH	3'00"	3'15"	3'30"	1 min

Recipe	Method	Power Level	Timing			Stand Time
			1850W	1600W	1300W	
FRESH VEGETABLES						
To cook 500g						
Beans, green sliced	60ml/4tbsps water cover	HIGH	3'00"	3'15"	3'30"	2 mins
Brocolli, florets	60ml/4tbsps water cover	HIGH	3'00"	3'15"	3'30"	2 mins
Cabbage, shredded	10tbsps water cover	HIGH	5'00"	5'30"	6'00"	2 mins
Carrots, sliced	60ml/4tbsps water cover	HIGH	3'30"	3'45"	4'00"	2 mins
Cauliflower, florets	60ml/4tbsps water cover	HIGH	3'30"	3'45"	4'00"	2 mins
Whole Green beans	60ml/4tbsps water cover	HIGH	3'30"	3'45"	4'00"	2 mins
Potatoes, jacket	Turn half way	HIGH	10'00"	11'00"	12'00"	5 mins
Sprouts	60ml/4tbsps water cover	HIGH	4'30"	4'45"	5'00"	2 mins
Beans, green sliced	Cover, stir half way through cooking	HIGH	3'00"	3'15"	3'30"	2 mins
Beans, whole	Cover, stir half way	HIGH	4'00"	4'15"	4'30"	2 mins
Brocolli Florets	Cover, stir half way	HIGH	4'00"	4'15"	4'30"	2 mins
Cabbage, shredded	Cover, stir half way	HIGH	4'00"	4'15"	4'30"	2 mins
Carrot batons	Cover, stir half way	HIGH	4'00"	4'15"	4'30"	2 mins
Cauliflower, florets	Cover, stir half way	HIGH	4'00"	4'15"	4'30"	2 mins
Corn on the Cob	Cover	HIGH	4'00"	4'30"	5'00"	2 mins
Corn, whole baby	Cover, stir half way	HIGH	5'00"	5'15"	5'30"	2 mins
Mushrooms, whole	Cover, stir half way	HIGH	3'00"	3'15"	3'30"	2 mins

Cooking Guide (continued)

F : Frozen **C : Chilled**

Recipe	Method	Power Level	Timing			Stand Time
			1850W	1600W	1300W	
FRESH VEGETABLES						
To cook 500g						
Potatoes, jacket 230~290g X 1		HIGH	3'00"	4'00"	4'30"	2 mins
Potatoes, Mashed X 2 Potatoes, Mashed X 4		HIGH HIGH	6'00" 10'00"	6'30" 11'15"	7'00" 12'30"	2 mins 2 mins
Ratatouille 500g		HIGH	3'30"	4'00"	4'30"	2 mins
Sprouts	Cover, stir half way	HIGH	3'00"	3'30"	4'00"	2 mins
RICE, 500g						
To Reheat						
Rice, boiled F	Cover, stir half way	HIGH	3'00"	3'15"	3'30"	2 mins
Rice, Pilau F	Cover, stir half way	HIGH	3'00"	3'15"	3'30"	2 mins

Cleaning Your Microwave Oven

EN

The following parts of your microwave oven should be cleaned regularly to prevent grease and food particles from building up:

- ***Inside and outside surfaces***
- ***Door and door seals***
- ***Plate tray***

☛ **ALWAYS** ensure that the door seals are clean and the door closes properly.

☛ Failure to maintain the oven in a clean condition could lead to deterioration of the surface that could adversely affect the of the appliance and possibly result in a hazardous situation.

1. Clean the outside surfaces with a soft cloth and warm, soapy water. Rinse and dry.

2. Remove any splashes or stains on the inside surfaces with a soapy cloth. Rinse and dry.

3. To loosen hardened food particles and remove smells, place a cup of diluted lemon juice on the plate tray and heat for three minutes at maximum power.

✉ **DO NOT** spill water in the vents.

✉ **NEVER** use any abrasive products or chemical solvents.

✉ Take particular care when cleaning the door seals to ensure that no particles:
- Accumulate
- Prevent the door from closing correctly

✉ **Clean the** microwave oven cavity right after each use with a mild detergent solution, but let the microwave oven cool down before cleaning in order to avoid injury .

EN

Storing and Repairing Your Microwave Oven

A few simple precautions should be taken when storing or having your microwave oven serviced.

The oven must not be used if the door or door seals are damaged:

- ***Broken hinge***
- ***Deteriorated seals***
- ***Distorted or bent oven casing***

Only a qualified microwave service technician should perform repairs.

☛ **NEVER** remove the outer casing from the oven. If the oven is faulty and needs servicing or you are in doubt about its condition:

- Unplug it from the wall socket
- Contact the nearest after-sales service centre

English

Correct Disposal of This Product
(Waste Electrical & Electronic Equipment)

(Applicable in the European Union and other European countries with separate collection systems)

This marking shown on the product or its literature, indicates that it should not be disposed with other household wastes at the end of its working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources.

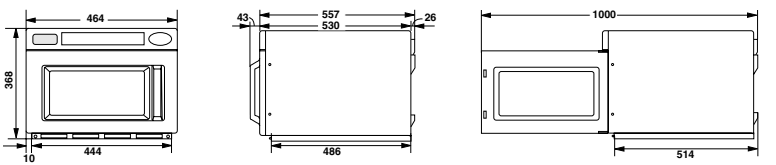
Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take this item for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes for disposal.

Technical Specifications

SAMSUNG strives to improve its products at all times. Both the design specifications and these user instructions are thus subject to change without notice.

Model	CM1929A	CM1629A	CM1329A
Power source	230 V ~ 50 Hz		
Power consumption Microwave	3200 W	3000 W	2600 W
Output power	1850 W (IEC-705)	1600W (IEC-705)	1300W (IEC-705)
Operating frequency	2, 450 MHz		
Dimensions (W x H x D) Outside Oven cavity	464 x 368 x 557 mm 370 x 190 x 370 mm		
Volume	26 litre		
Weight Net	32 Kg approx.		



Note

If you have any problems with your machine please contact your local dealer.

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